

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD013020\
 Data File : VD065020.D
 Acq On : 30 Jan 2020 18:36
 Operator : VA/SY
 Sample : L1318-06RE
 Misc : 5.62G/5.00ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RAINEY-PARK-BH-03-CRE

Quant Time: Jan 31 02:23:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 13:45:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	13386	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	18959	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	19416	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	9034	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	9250	72.04	ug/l	0.00
Spiked Amount			Recovery	=	144.08%	
35) Dibromofluoromethane	7.93	113	7156	60.06	ug/l	0.00
Spiked Amount			Recovery	=	120.12%	
50) Toluene-d8	10.34	98	22552	49.04	ug/l	0.00
Spiked Amount			Recovery	=	98.08%	
62) 4-Bromofluorobenzene	12.64	95	7499	53.29	ug/l	0.00
Spiked Amount			Recovery	=	106.58%	

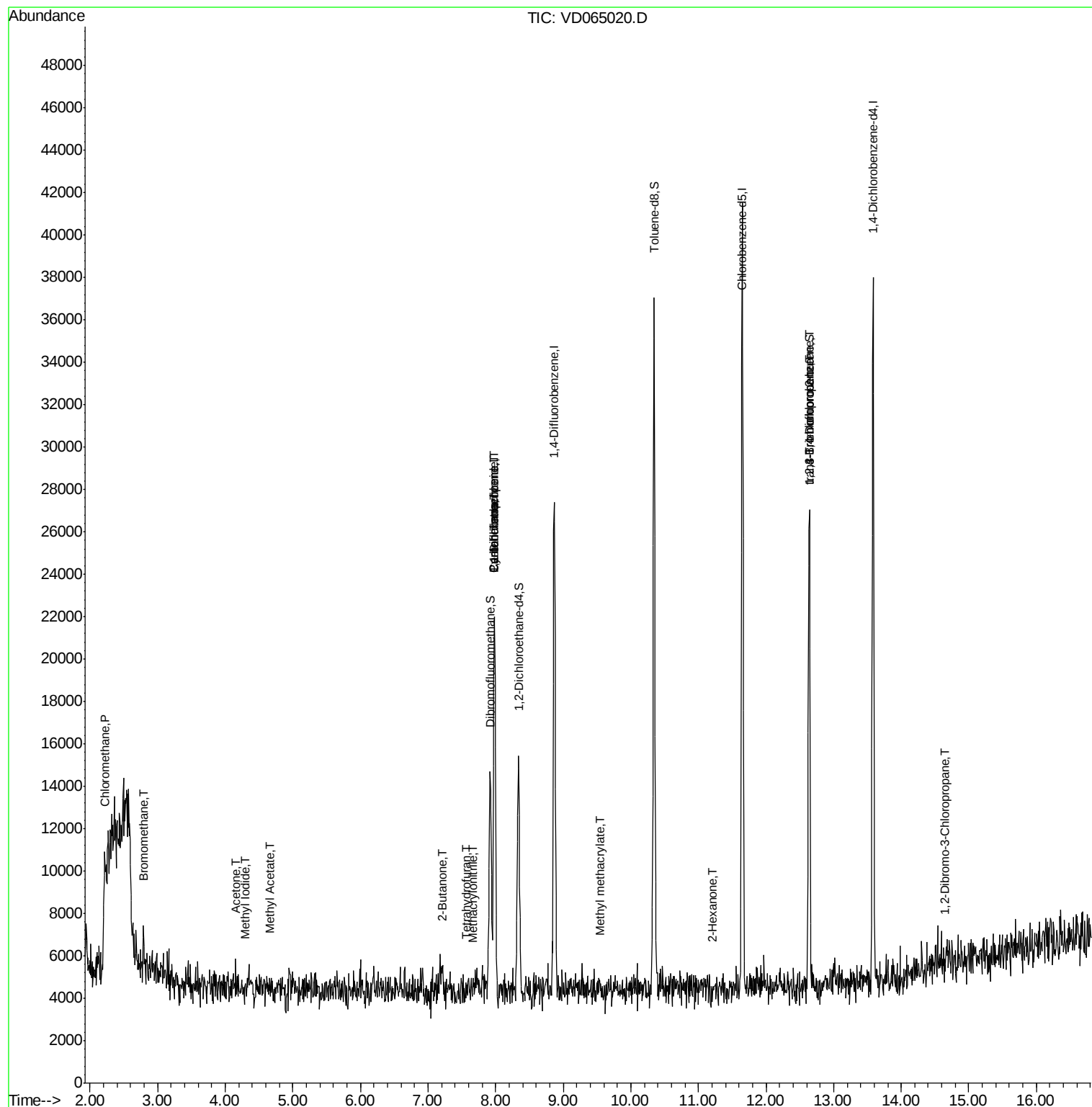
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.21	50	399	2.700	ug/l #	66
5) Bromomethane	2.79	94	511	4.475	ug/l #	64
10) Methyl Iodide	4.29	142	130	1.004	ug/l #	39
16) Acetone	4.16	43	204	19.193	ug/l #	45
18) Methyl Acetate	4.66	43	128	2.129	ug/l #	51
20) Methylene Chloride	4.96	84	162	Below Cal	#	6
25) 2-Butanone	7.21	43	66	1.903	ug/l #	49
29) Tetrahydrofuran	7.57	42	66	3.084	ug/l #	34
31) Cyclohexane	7.98	56	256	1.144	ug/l #	46
36) 1,1-Dichloropropene	7.98	75	1137	6.219	ug/l #	42
38) Carbon Tetrachloride	7.98	117	1321	6.836	ug/l #	14
41) Methacrylonitrile	7.66	41	55	1.352	ug/l #	24
48) Methyl methacrylate	9.54	41	109	1.651	ug/l #	13
59) 2-Hexanone	11.21	43	77	1.555	ug/l #	25
76) 1,2,3-Trichloropropane	12.63	75	3961	52.825	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	3961	112.794	ug/l #	9
92) 1,2-Dibromo-3-Chloropropan	14.65	75	55	3.312	ug/l #	1

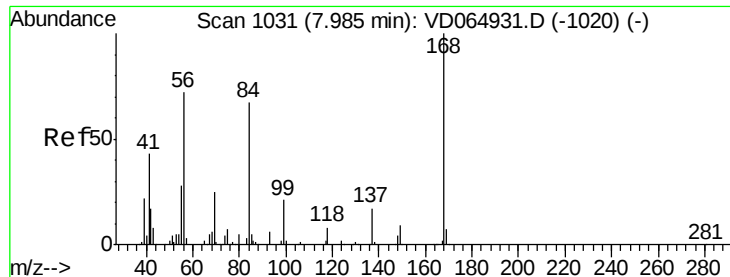
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD013020\
Data File : VD065020.D
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Quant Time: Jan 31 02:23:22 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
Quant Title : SW846 8260
QLast Update : Thu Jan 23 13:45:59 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065020.D

Acq: 30 Jan 2020 18:36

Instrument :

MSVOA_D

ClientSampleId :

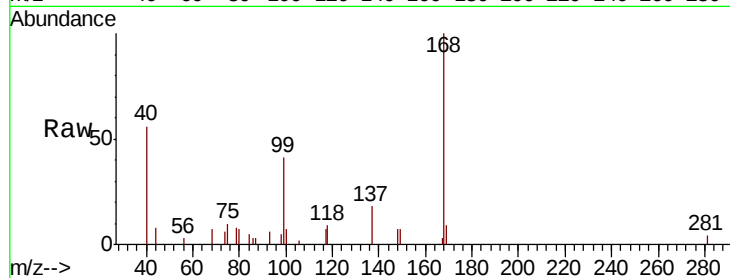
RAINEY-PARK-BH-03-CRE

Tot Ion:168 Resp: 13386

Ion Ratio Lower Upper

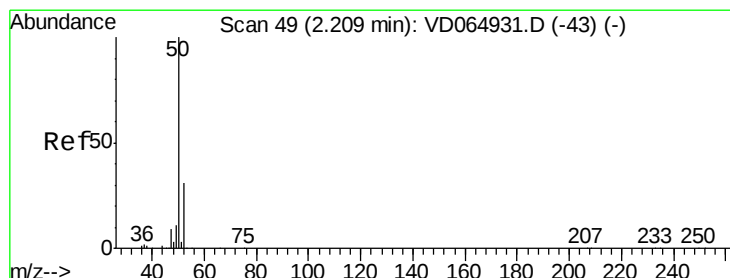
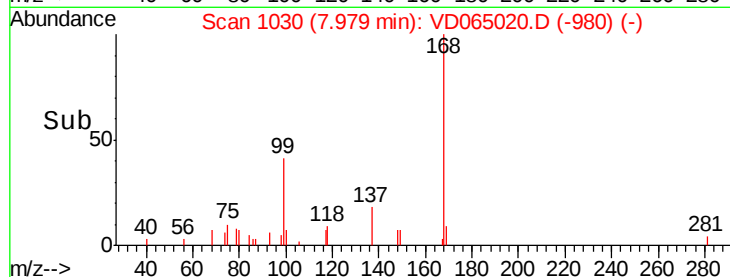
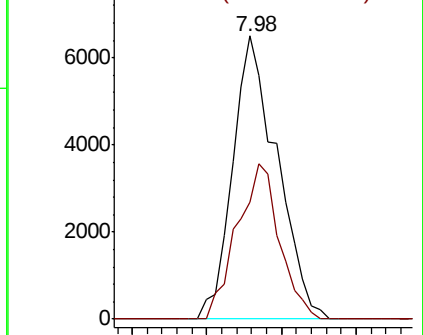
168 100

99 41.2 43.3 64.9#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#3

Chloromethane

Concen: 2.700 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.01 min

Lab File: VD065020.D

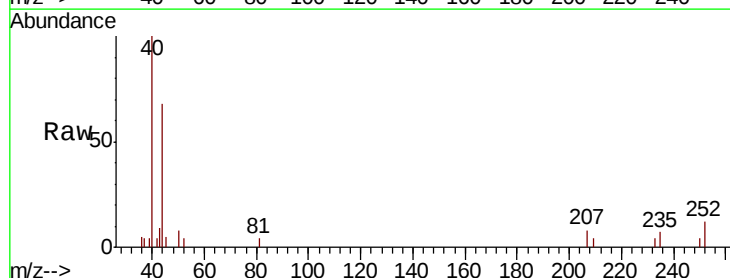
Acq: 30 Jan 2020 18:36

Tgt Ion: 50 Resp: 399

Ion Ratio Lower Upper

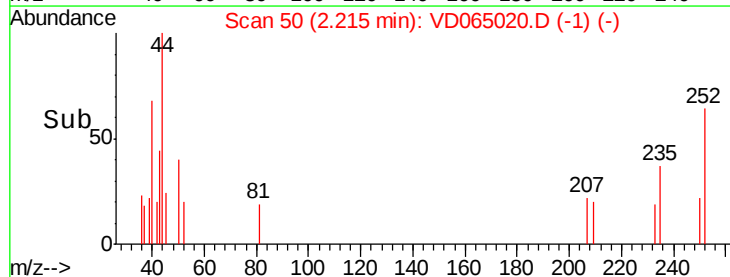
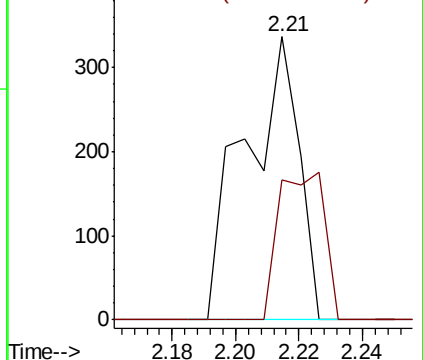
50 100

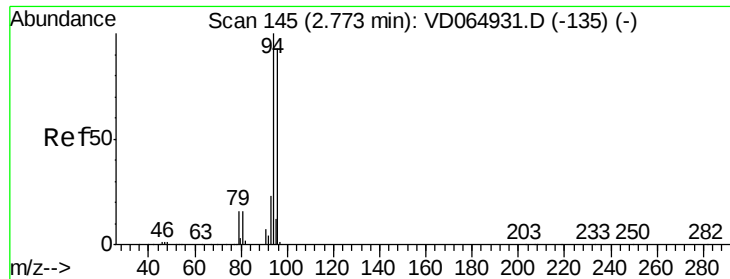
52 49.3 24.6 36.8#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC





#5

Bromomethane

Concen: 4.475 ug/l

RT: 2.79 min Scan# 148

Delta R.T. 0.02 min

Lab File: VD065020.D

Acq: 30 Jan 2020 18:36

Instrument :

MSVOA_D

ClientSampleId :

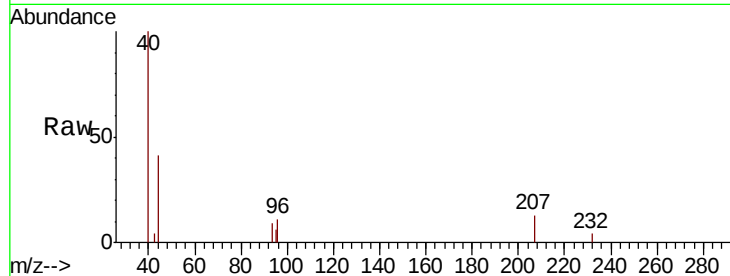
RAINEY-PARK-BH-03-CRE

Tot Ion: 94 Resp: 511

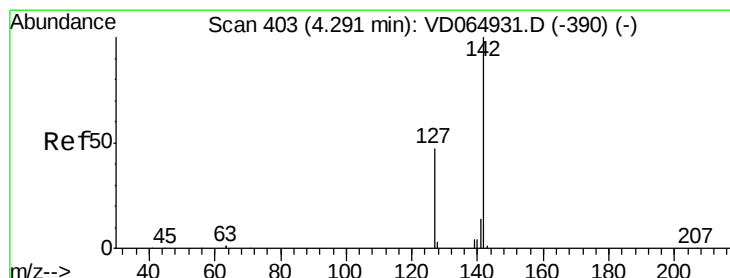
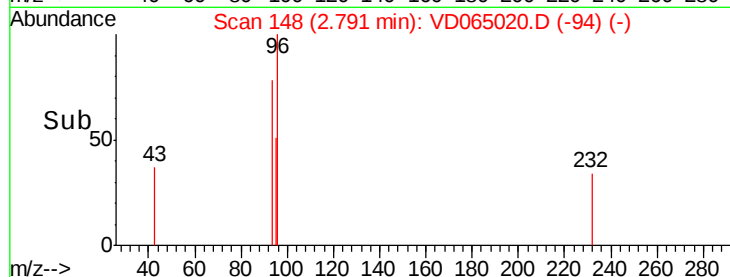
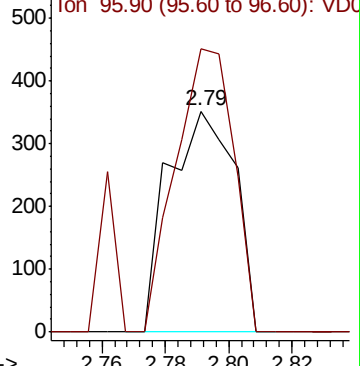
Ion Ratio Lower Upper

94 100

96 128.1 74.6 111.8#



Abundance Ion 93.90 (93.60 to 94.60): VDC



#10

Methyl Iodide

Concen: 1.004 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.00 min

Lab File: VD065020.D

Acq: 30 Jan 2020 18:36

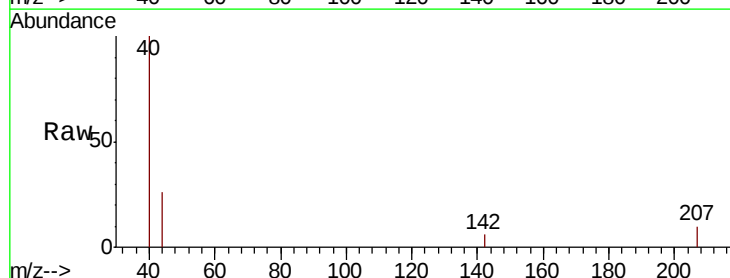
Tgt Ion: 142 Resp: 130

Ion Ratio Lower Upper

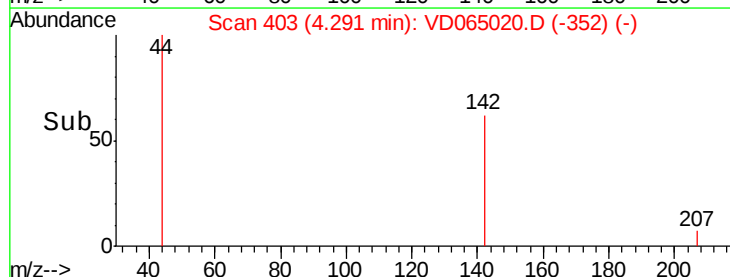
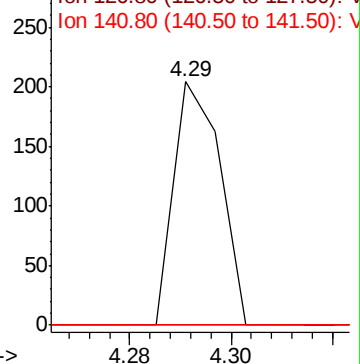
142 100

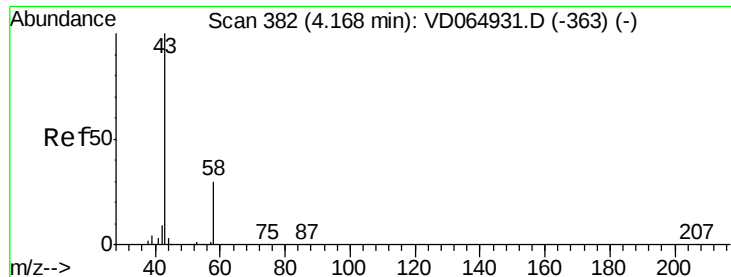
127 0.0 36.2 54.2#

141 0.0 11.6 17.4#



Abundance Ion 141.80 (141.50 to 142.50): V

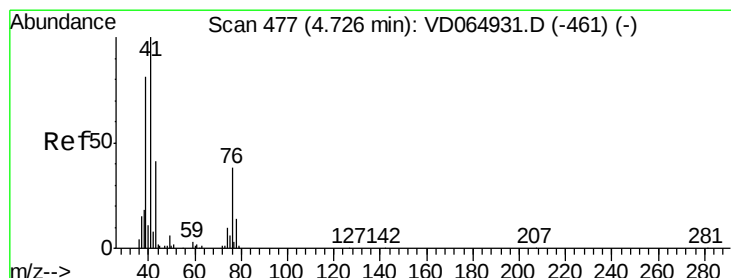
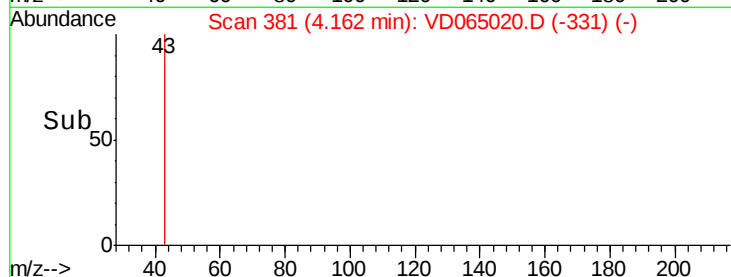
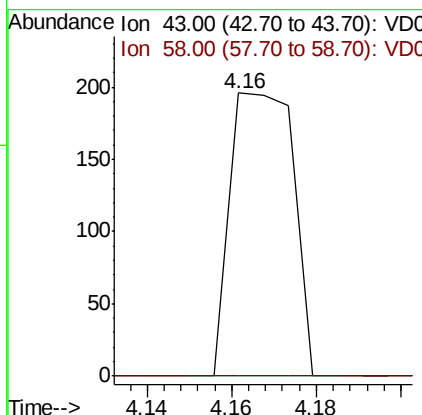
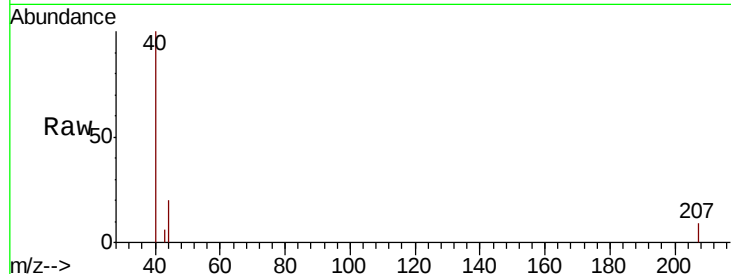




#16
Acetone
Concen: 19.193 ug/l
RT: 4.16 min Scan# 381
Delta R.T. -0.01 min
Lab File: VD065020.D
Acq: 30 Jan 2020 18:36

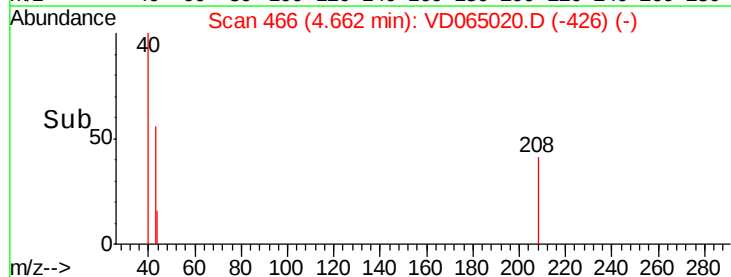
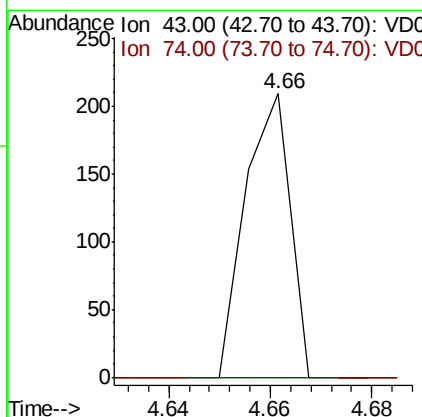
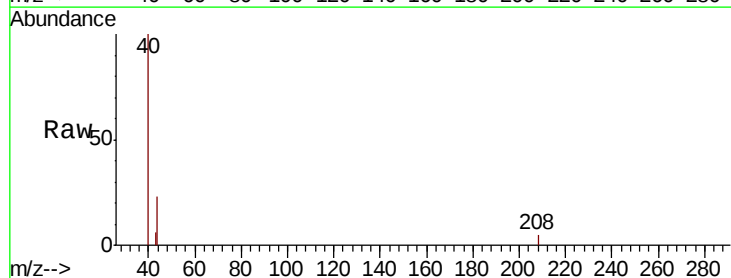
Instrument :
MSVOA_D
ClientSampleId :
RAINEY-PARK-BH-03-CRE

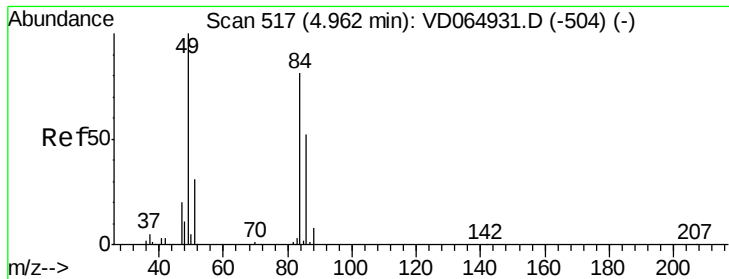
Tot Ion: 43 Resp: 204
Ion Ratio Lower Upper
43 100
58 0.0 23.8 35.8#



#18
Methyl Acetate
Concen: 2.129 ug/l
RT: 4.66 min Scan# 466
Delta R.T. -0.06 min
Lab File: VD065020.D
Acq: 30 Jan 2020 18:36

Tgt Ion: 43 Resp: 128
Ion Ratio Lower Upper
43 100
74 0.0 19.1 28.7#



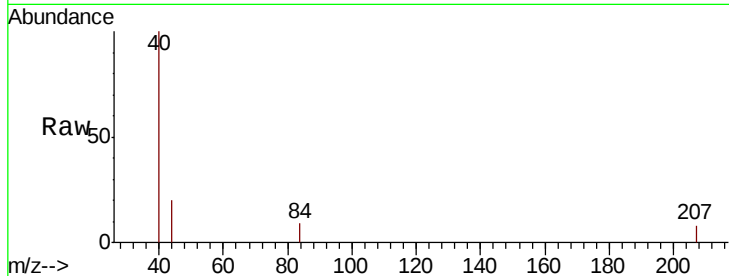


#20

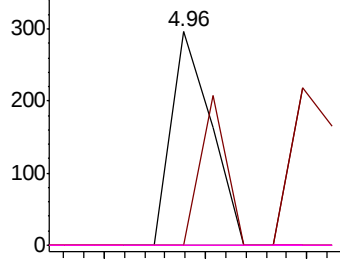
Methylene Chloride
 Concen: Below Cal
 RT: 4.96 min Scan# 516
 Delta R.T. -0.01 min
 Lab File: VD065020.D
 Acq: 30 Jan 2020 18:36

Instrument :
 MSVOA_D
 ClientSampleId :
 RAINEY-PARK-BH-03-CRE

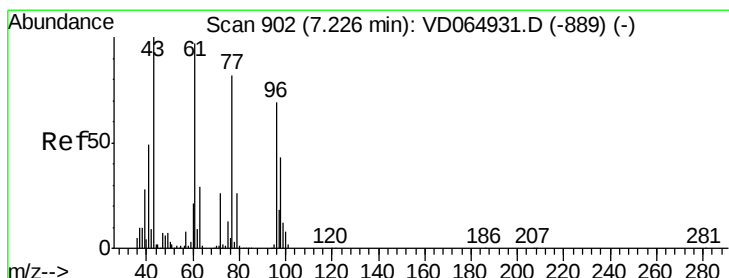
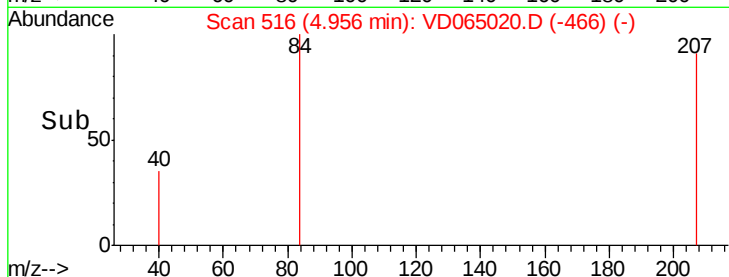
Tot Ion	Ratio	Lower	Upper
84	100		
49	0.0	98.4	147.6#
51	0.0	30.8	46.2#
86	0.0	51.0	76.6#



Abundance Ion 83.90 (83.60 to 84.60): VDC
 Ion 48.90 (48.60 to 49.60): VDC
 Ion 50.90 (50.60 to 51.60): VDC
 Ion 85.90 (85.60 to 86.60): VDC



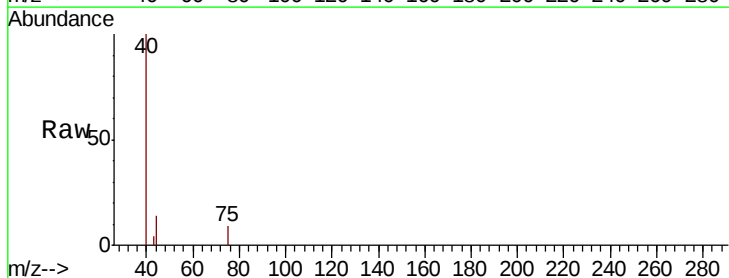
Time-->



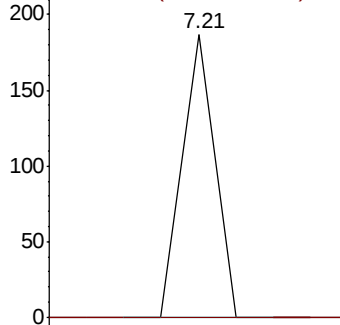
#25

2-Butanone
 Concen: 1.903 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. -0.01 min
 Lab File: VD065020.D
 Acq: 30 Jan 2020 18:36

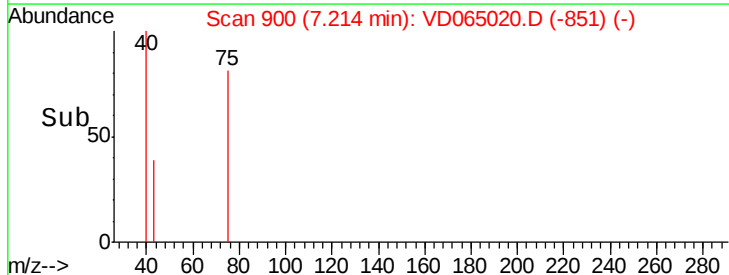
Tgt Ion	Ratio	Lower	Upper
43	100		
72	0.0	20.6	31.0#

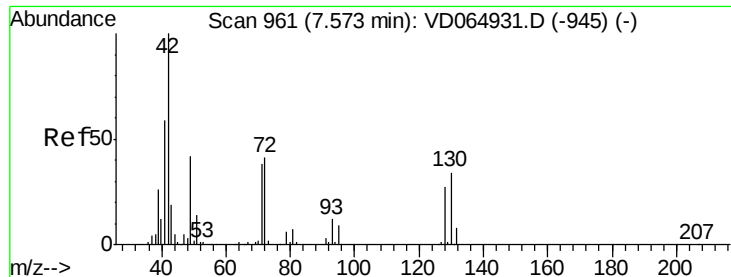


Abundance Ion 43.00 (42.70 to 43.70): VDC
 Ion 72.00 (71.70 to 72.70): VDC



Time-->

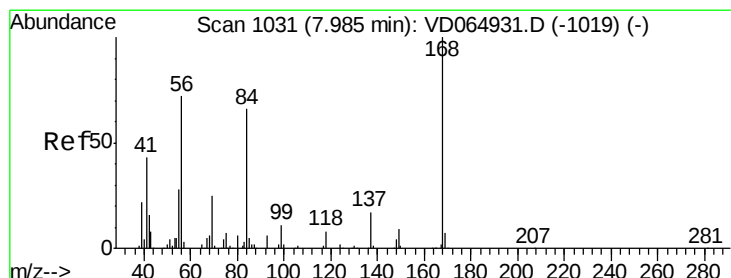
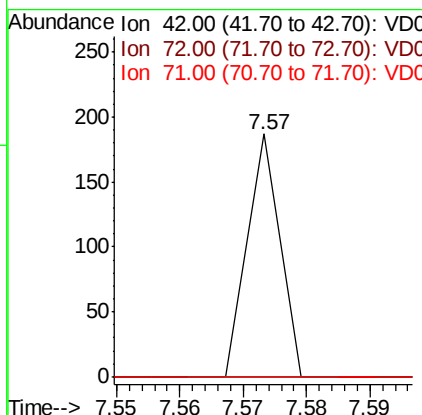
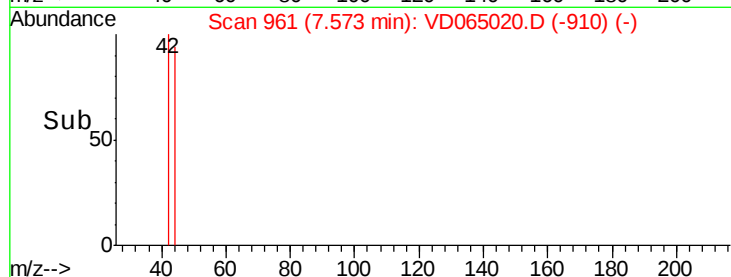
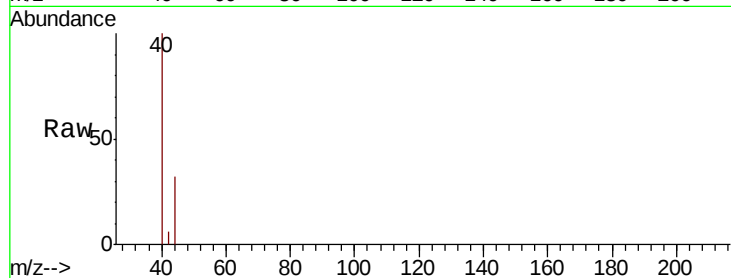




#29
Tetrahydrofuran
Concen: 3.084 ug/l
RT: 7.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD065020.D
Acq: 30 Jan 2020 18:36

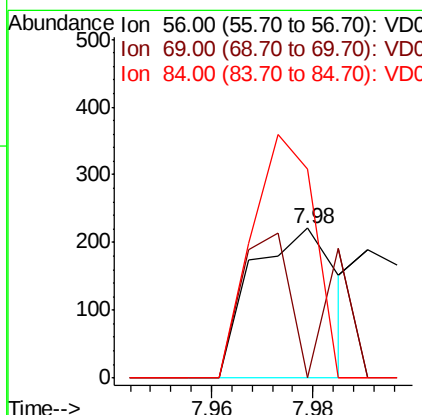
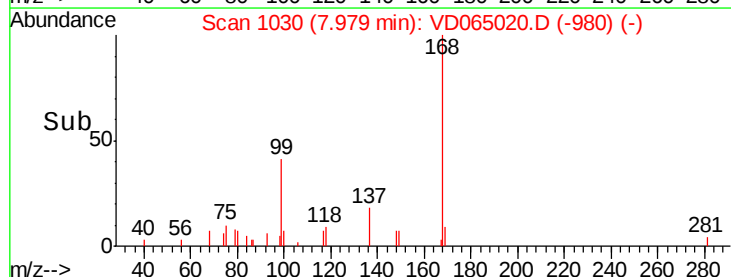
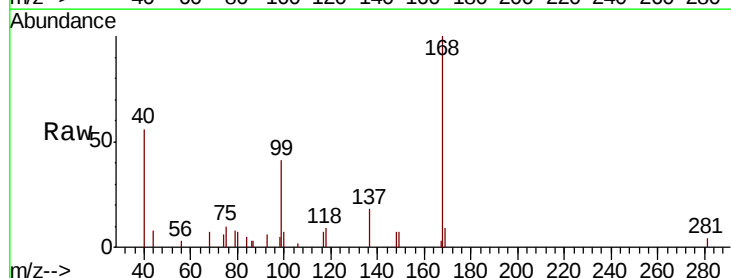
Instrument :
MSVOA_D
ClientSampleId :
RAINEY-PARK-BH-03-CRE

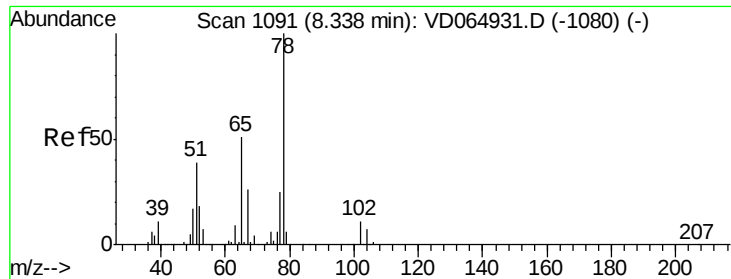
Tot Ion: 42 Resp: 66
Ion Ratio Lower Upper
42 100
72 0.0 34.0 51.0#
71 0.0 31.5 47.3#



#31
Cyclohexane
Concen: 1.144 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD065020.D
Acq: 30 Jan 2020 18:36

Tgt Ion: 56 Resp: 256
Ion Ratio Lower Upper
56 100
69 0.0 27.9 41.9#
84 139.8 72.8 109.2#





#33

1,2-Dichloroethane-d4

Concen: 72.040 ug/l

RT: 8.34 min Scan# 1092

Delta R.T. 0.01 min

Lab File: VD065020.D

Acq: 30 Jan 2020 18:36

Instrument :

MSVOA_D

ClientSampleId :

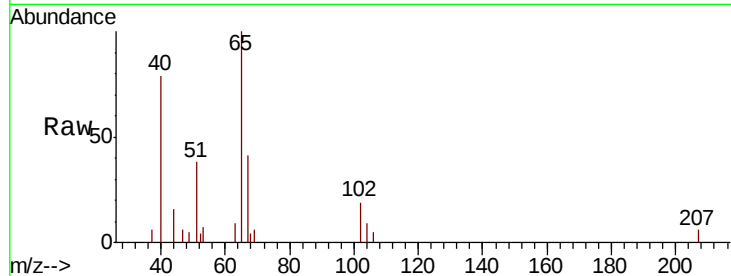
RAINEY-PARK-BH-03-CRE

Tot Ion: 65 Resp: 9250

Ion Ratio Lower Upper

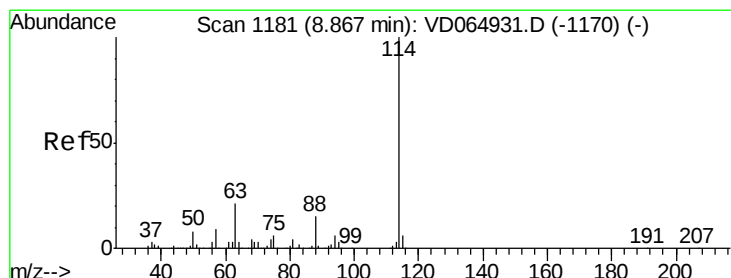
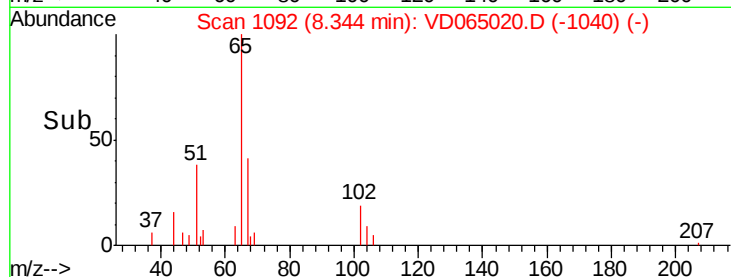
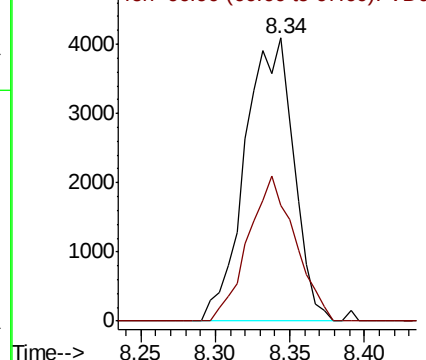
65 100

67 49.7 0.0 103.6



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD065020.D

Acq: 30 Jan 2020 18:36

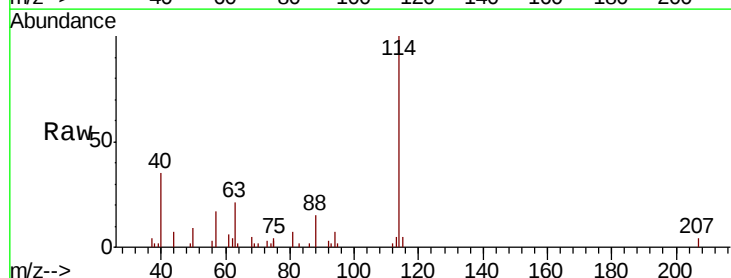
Tgt Ion: 114 Resp: 18959

Ion Ratio Lower Upper

114 100

63 20.7 0.0 42.0

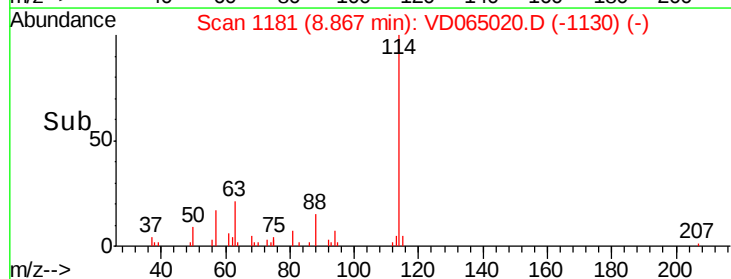
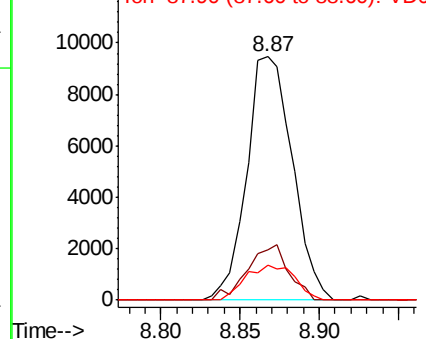
88 14.6 0.0 29.4

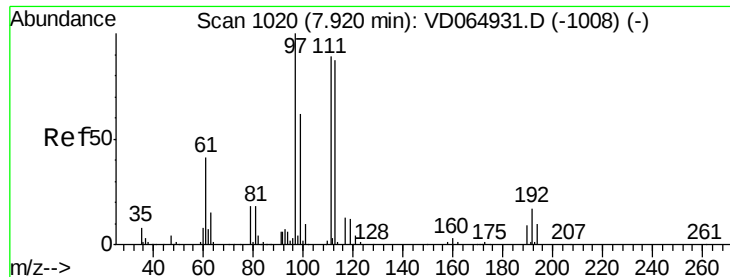


Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 60.063 ug/l

RT: 7.93 min Scan# 1021

Delta R.T. 0.01 min

Lab File: VD065020.D

Acq: 30 Jan 2020 18:36

Instrument :

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RAINEY-PARK-BH-03-CRE

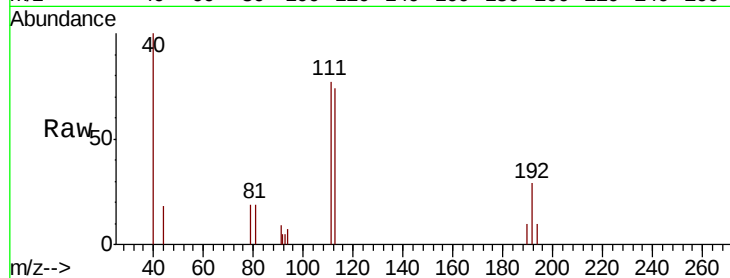
Tot Ion:113 Resp: 7156

Ion Ratio Lower Upper

113 100

111 108.1 82.4 123.6

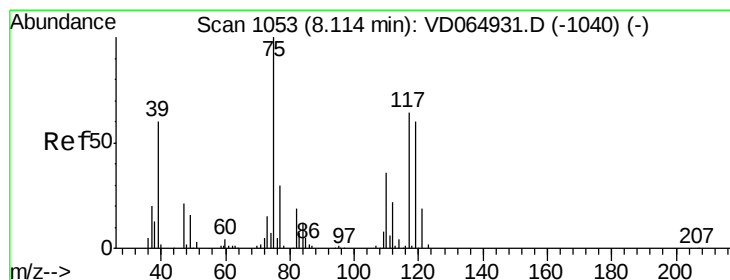
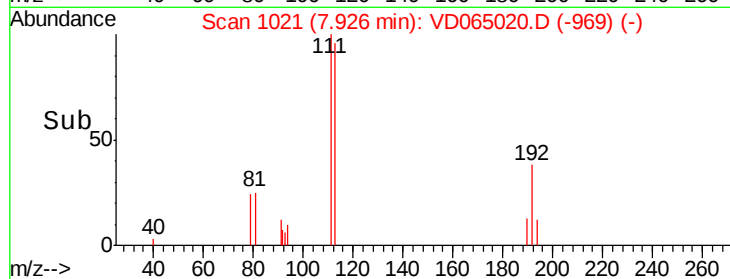
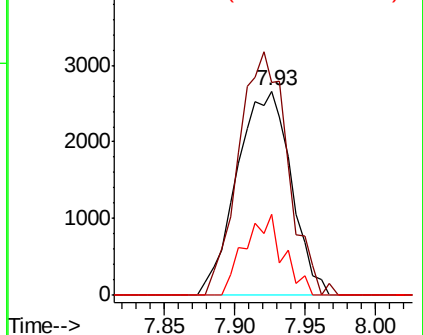
192 28.3 16.9 25.3#



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 6.219 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.13 min

Lab File: VD065020.D

Acq: 30 Jan 2020 18:36

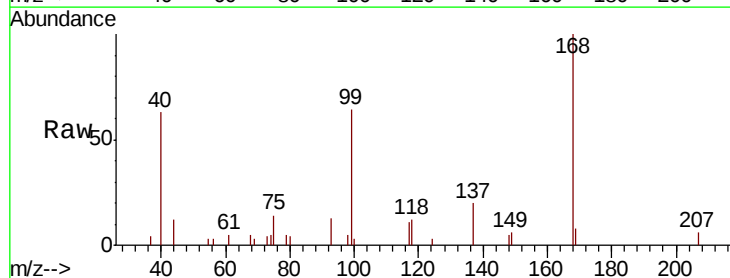
Tgt Ion: 75 Resp: 1137

Ion Ratio Lower Upper

75 100

110 0.0 17.3 52.0#

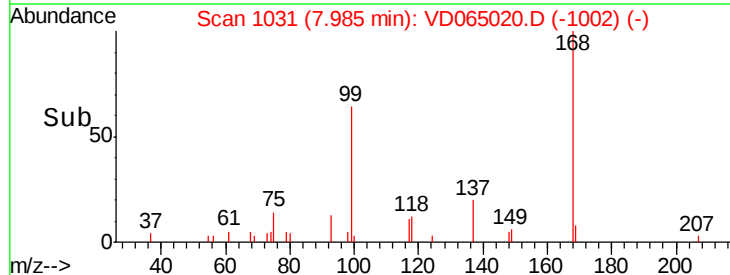
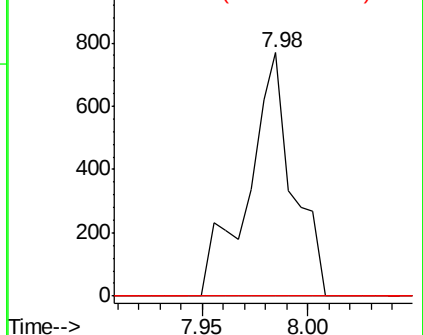
77 0.0 24.7 37.1#

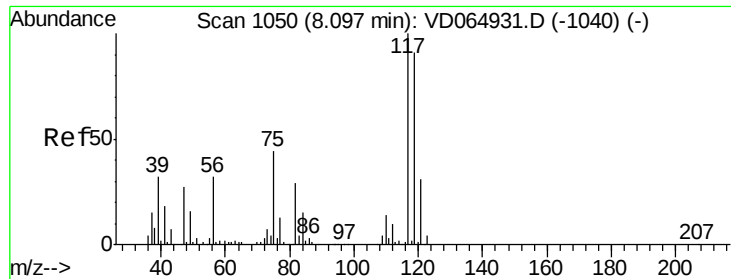


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 6.836 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD065020.D

Acq: 30 Jan 2020 18:36

Instrument :

MSVOA_D

ClientSampleId :

RAINEY-PARK-BH-03-CRE

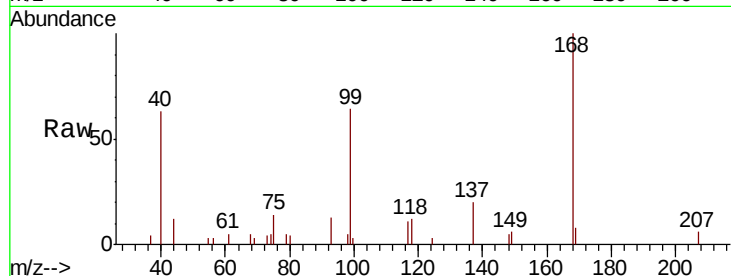
Tot Ion:117 Resp: 1321

Ion Ratio Lower Upper

117 100

119 0.0 73.2 109.8#

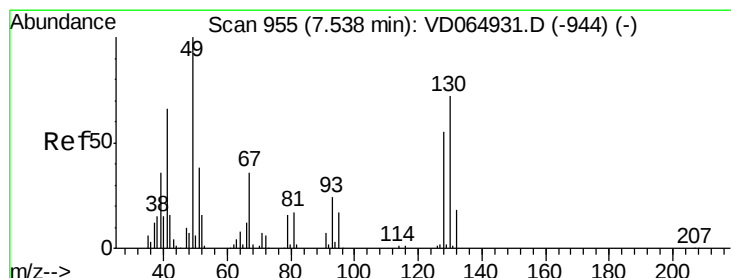
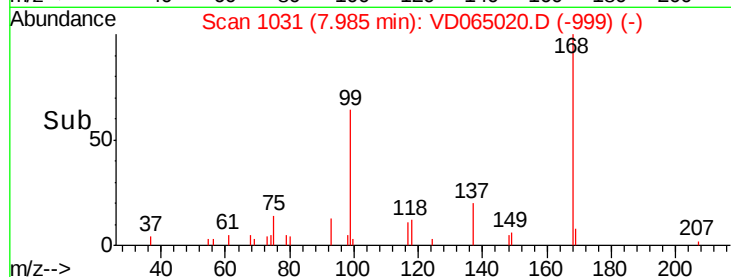
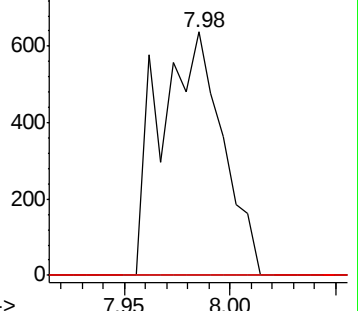
121 0.0 24.4 36.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#41

Methacrylonitrile

Concen: 1.352 ug/l

RT: 7.66 min Scan# 975

Delta R.T. 0.12 min

Lab File: VD065020.D

Acq: 30 Jan 2020 18:36

Tgt Ion: 41 Resp: 55

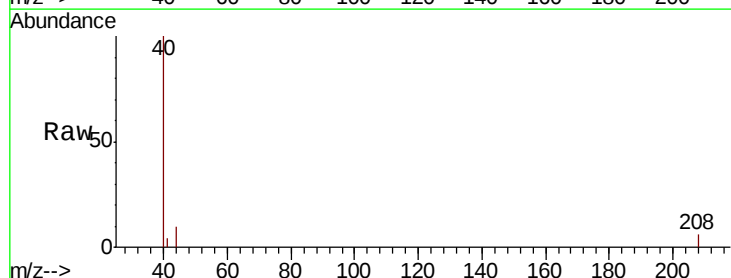
Ion Ratio Lower Upper

41 100

39 0.0 49.3 73.9#

67 0.0 51.0 76.6#

52 0.0 22.3 33.5#

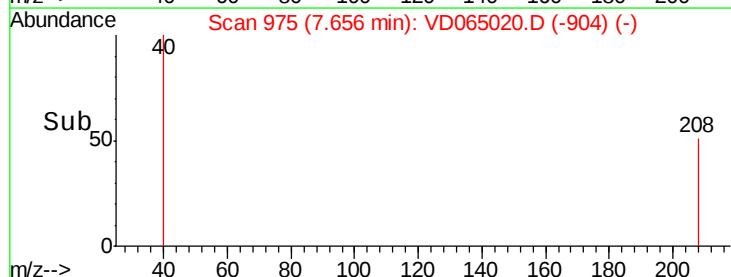
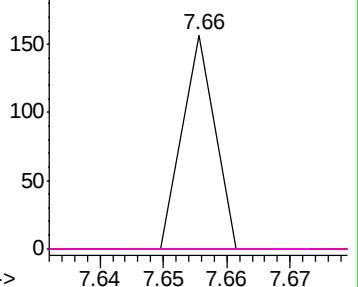


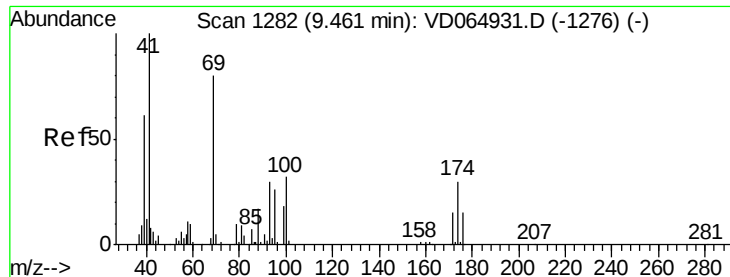
Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

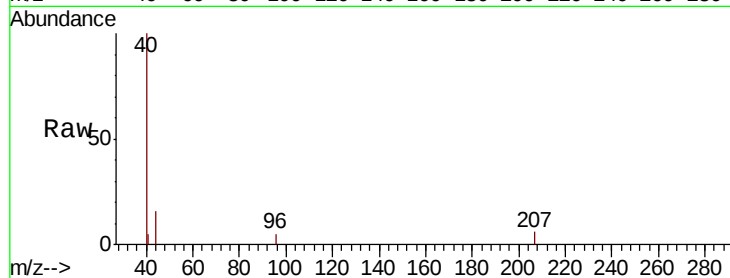




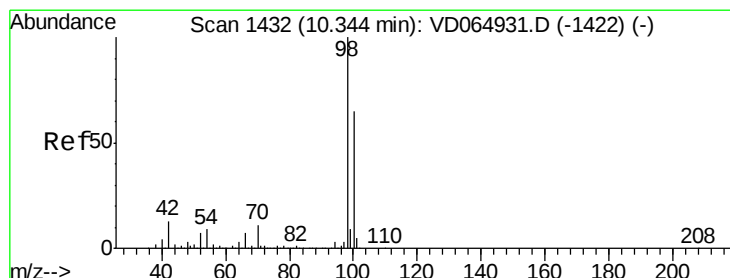
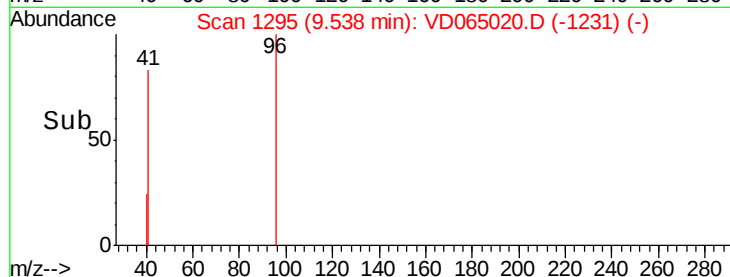
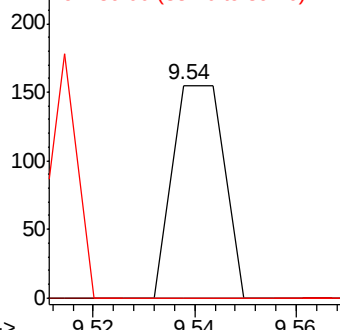
#48
Methvl methacrylate
Concen: 1.651 ug/l
RT: 9.54 min Scan# 1295
Delta R.T. 0.08 min
Lab File: VD065020.D
Acq: 30 Jan 2020 18:36

Instrument :
MSVOA_D
ClientSampleId :
RAINEY-PARK-BH-03-CRE

Tot Ion: 41 Resp: 109
Ion Ratio Lower Upper
41 100
69 0.0 65.8 98.8#
39 0.0 49.4 74.0#

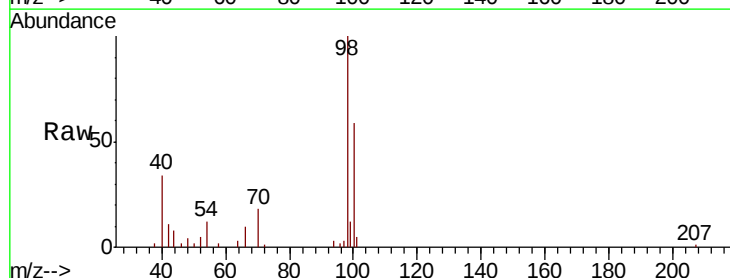


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 39.00 (38.70 to 39.70): VDC

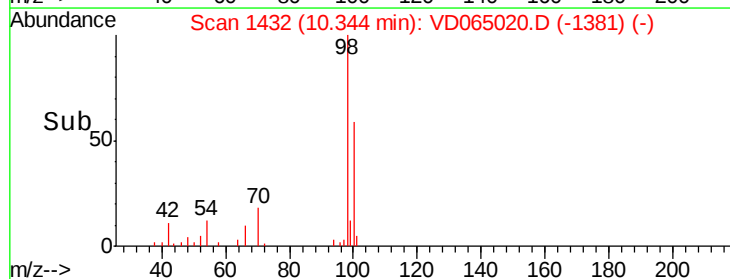
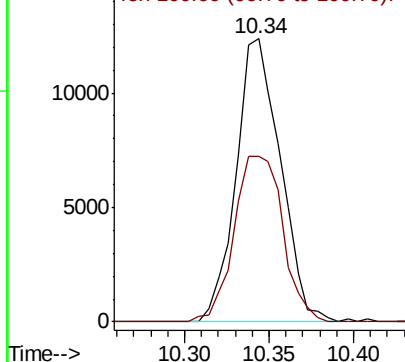


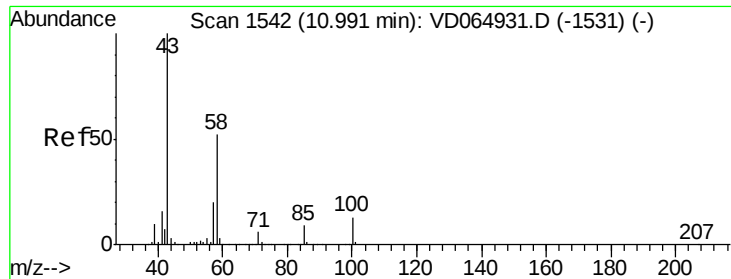
#50
Toluene-d8
Concen: 49.043 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065020.D
Acq: 30 Jan 2020 18:36

Tgt Ion: 98 Resp: 22552
Ion Ratio Lower Upper
98 100
100 64.6 52.3 78.5



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC

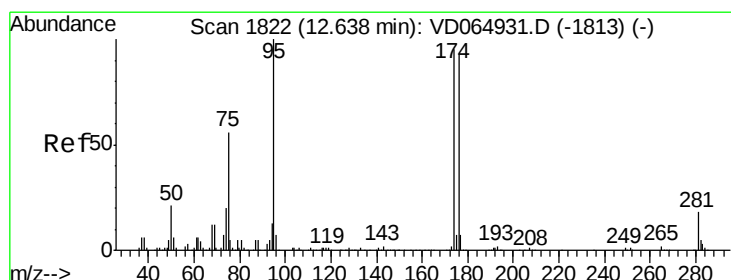
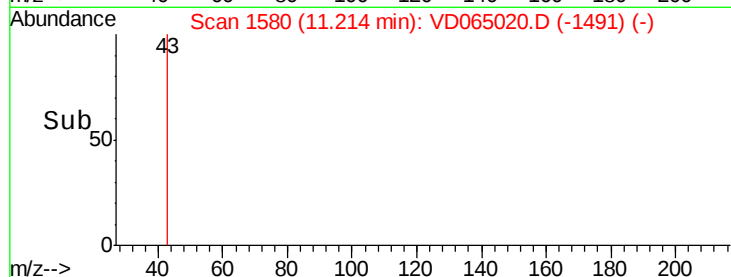
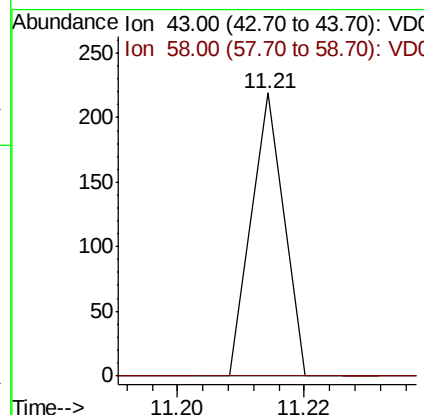
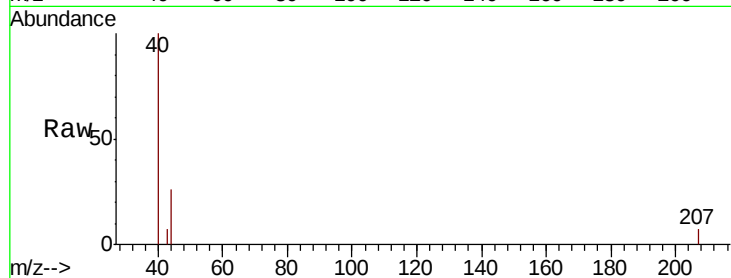




#59
2-Hexanone
Concen: 1.555 ug/l
RT: 11.21 min Scan# 1580
Delta R.T. 0.22 min
Lab File: VD065020.D
Acq: 30 Jan 2020 18:36

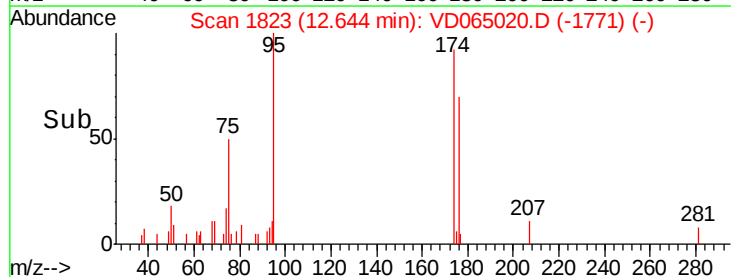
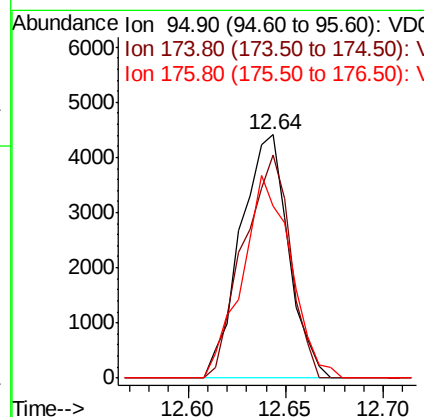
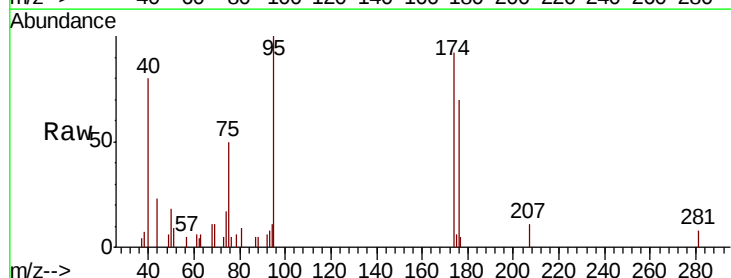
Instrument :
MSVOA_D
ClientSampleId :
RAINEY-PARK-BH-03-CRE

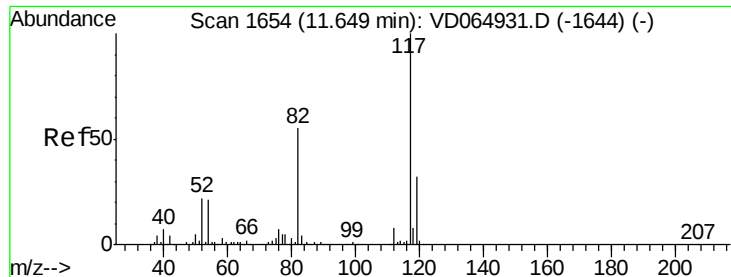
Tot Ion: 43 Resp: 77
Ion Ratio Lower Upper
43 100
58 0.0 26.5 79.4#



#62
4-Bromofluorobenzene
Concen: 53.290 ug/l
RT: 12.64 min Scan# 1823
Delta R.T. 0.01 min
Lab File: VD065020.D
Acq: 30 Jan 2020 18:36

Tgt Ion: 95 Resp: 7499
Ion Ratio Lower Upper
95 100
174 89.7 0.0 186.8
176 84.5 0.0 183.4

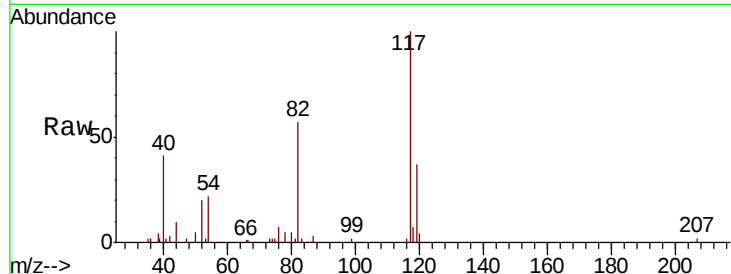




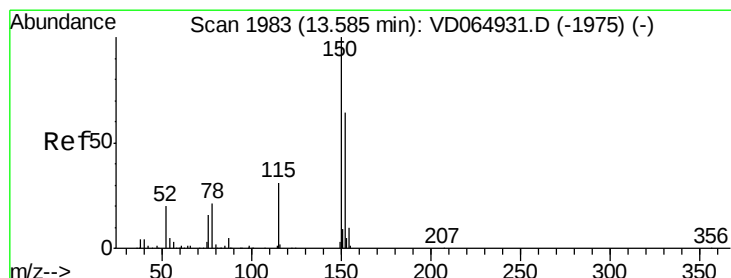
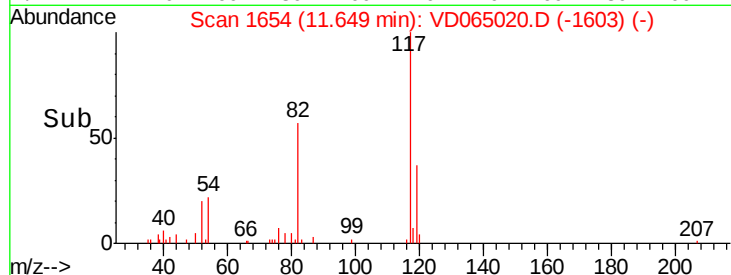
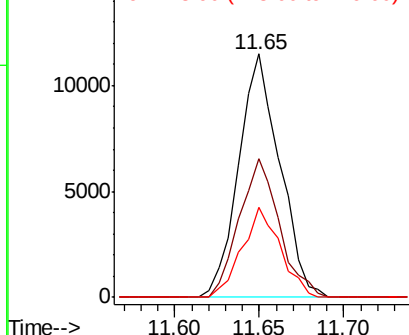
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065020.D
Acq: 30 Jan 2020 18:36

Instrument :
MSVOA_D
ClientSampleId :
RAINEY-PARK-BH-03-CRE

Tot Ion:117 Resp: 19416
Ion Ratio Lower Upper
117 100
82 56.9 43.6 65.4
119 36.9 25.2 37.8

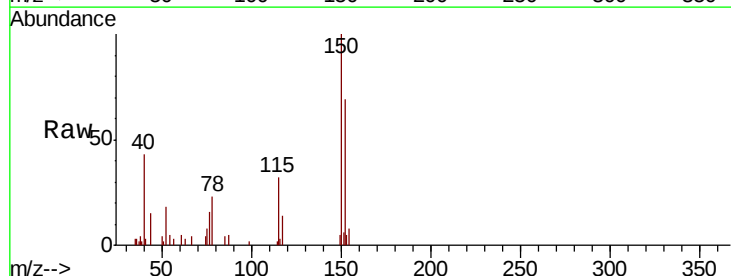


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

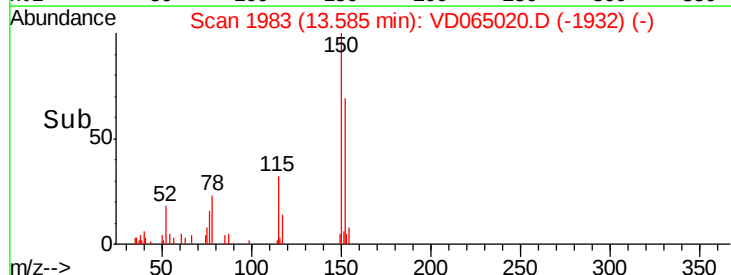
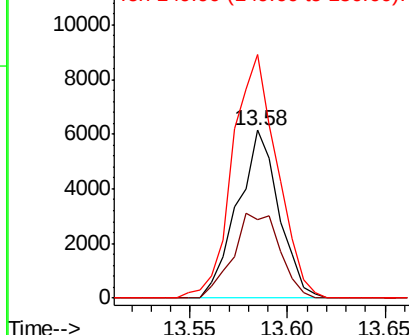


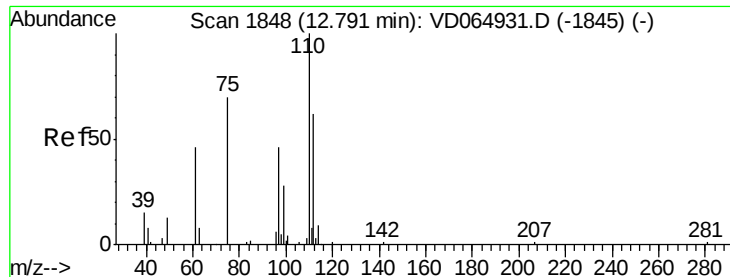
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065020.D
Acq: 30 Jan 2020 18:36

Tgt Ion:152 Resp: 9034
Ion Ratio Lower Upper
152 100
115 57.1 28.1 84.4
150 155.5 0.0 350.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 52.825 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.16 min

Lab File: VD065020.D

Acq: 30 Jan 2020 18:36

Instrument :

MSVOA_D

ClientSampleId :

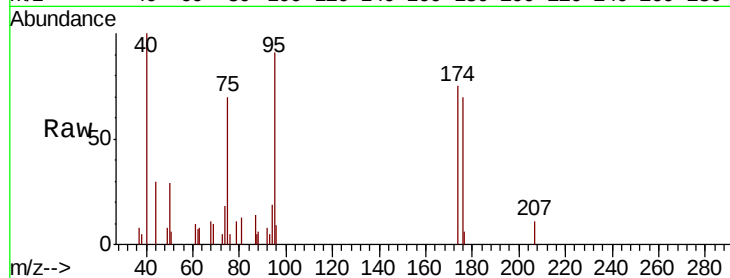
RAINEY-PARK-BH-03-CRE

Tot Ion: 75 Resp: 3961

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC

12.63

2500

2000

1500

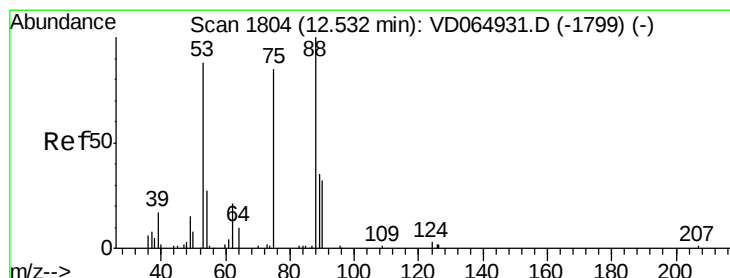
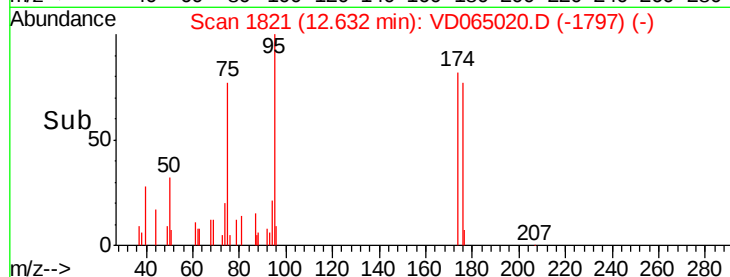
1000

500

0

Time-->

12.60 12.65



#81

trans-1,4-Dichloro-2-butene

Concen: 112.794 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD065020.D

Acq: 30 Jan 2020 18:36

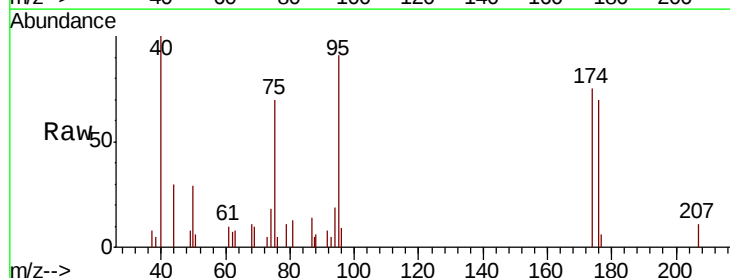
Tgt Ion: 75 Resp: 3961

Ion Ratio Lower Upper

75 100

53 0.0 81.0 121.4#

89 0.0 36.2 54.4#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC

12.63

3000

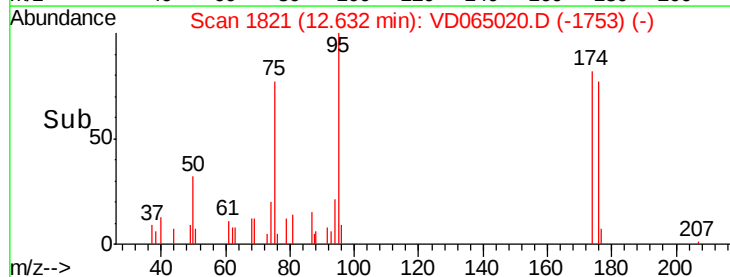
2000

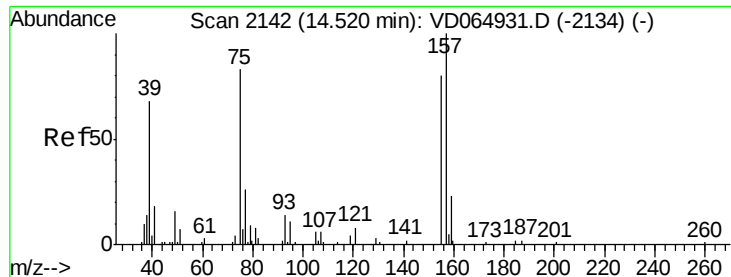
1000

0

Time-->

12.60 12.65





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 3.312 ug/l
 RT: 14.65 min Scan# 2164
 Delta R.T. 0.13 min
 Lab File: VD065020.D
 Acq: 30 Jan 2020 18:36

Instrument :
 MSVOA_D
 ClientSampleId :
 RAINEY-PARK-BH-03-CRE

Tot Ion: 75 Resp: 55
 Ion Ratio Lower Upper
 75 100
 155 0.0 44.9 134.7#
 157 0.0 58.9 176.6#

